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**Keywords:** account, circulation, coupon, digital ticket, protocol, rights, smart card, trading system

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August 1993 **Communications of the ACM**, Volume 36 Issue 8

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H. Wang, G. Wolfe

May 1998 **Proceedings of the 35th annual conference on Design automation - Volume 00**

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Digital system designs are the product of valuable effort and know-how. Their embodiments, from software and HDL program down to device-level netlist and mask data, represent carefully guarded intellectual property (IP). Hence, design methodologies based on IP reuse require new mechanisms to protect the rights of IP producers and owners. This paper establishes principles of watermarking-based IP protection, where a watermark is a mechanism for identification ...

**Keywords:** intellectual property test, system-on-chip test, testing embedded core

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**Keywords:** agent architectures, mobile agents, security

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Markus Jakobsson, Moti Yung

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**18** NetCash: a design for practical electronic currency on the Internet

Gennady Medvinsky, Clifford Neuman

December 1993 **Proceedings of the 1st ACM conference on Computer and communications security**

Full text available:  pdf(604.22 KB)

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Licensing is a topic of increasing importance for software publishers and users. More and more, the magnitude of financial transfers between these two partners are determined by some electronic licensing service being part of the system on which the licensed software is running. In order to ease the use and management of such licensing schemes and to enable economic software usage in enterprise-wide computer systems through flexible and fair billing structures, various organizations are working ...

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Michael Reiter

April 1996 **Communications of the ACM**, Volume 39 Issue 4

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**20** Unlinkable serial transactions: protocols and applications

Stuart G. Stubblebine, Paul F. Syverson, David M. Goldschlag

November 1999 **ACM Transactions on Information and System Security (TISSEC)**, Volume 2 Issue 4

Full text available:  pdf(184.87 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

We present a protocol for unlinkable serial transactions suitable for a variety of network-based subscription services. It is the first protocol to use cryptographic blinding to enable subscription services. The protocol prevents the service from tracking the behavior of its customers, while protecting the service vendor from abuse due to simultaneous or cloned use by a single subscriber. Our basic protocol structure and recovery protocol are robust against failure in protocol termination. ...

**Keywords:** anonymity, blinding, cryptographic protocols, unlinkable serial transactions

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